

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A front electronic equipment system, comprising:
 - a load electrical parts, provided at a front portion of a vehicle;
 - a front electrical control unit, receiving a control signal for controlling the drive of the load electrical parts through a main bus line of the vehicle; and
 - a drive control unit, connected to the front electrical control unit through a sub bus line, converting the control signal into a drive signal, and driving the load electrical parts based on the drive signal,wherein the front electrical control unit is configured to convert~~converts~~ a communication protocol of the control signal from a communication protocol of the main bus line into a communication protocol of the sub bus line, and transmits the control signal received through the main bus line to the drive control unit through the sub bus line.
2. (original): The front electronic equipment system as set forth in claim 1, further comprising an electronic connector, connected to the load electrical parts,
 - wherein the drive control unit is provided in the electronic connector.
3. (original): The front electronic equipment system as set forth in claim 2, wherein the load electrical parts is a plurality of the load electrical parts;

the front electronic equipment system further comprising a first auxiliary equipment module on which a first load electrical parts of the plurality of load electrical parts is mounted; and

wherein the electronic connector provided with the drive control unit for driving the first load electrical parts is coupled with the first auxiliary equipment module.

4. (original): The front electronic equipment system as set forth in claim 2, wherein the load electrical parts is a plurality of the load electrical parts;

the front electronic equipment system further comprising a second auxiliary equipment module on which a second load electrical parts of the plurality of load electrical parts and a sensor are mounted;

wherein the electronic connector provided with the drive control unit for driving the second load electrical parts is coupled with the second auxiliary equipment module;

wherein the drive control unit for driving the second load electrical parts converts a sensor signal outputted from the sensor into the control signal; and

wherein the drive control unit transmits the control signal to the front electrical control unit through the sub bus line.

5. (original): The front electronic equipment system as set forth in claim 1, wherein the load electrical parts is a plurality of the load electrical parts;

the front electronic equipment system further comprising a first auxiliary equipment module on which a first load electrical parts of the plurality of load electrical parts is mounted; and

wherein the drive control unit for driving the first load electrical parts is provided at the first auxiliary equipment module.

6. (original): The front electronic equipment system as set forth in claim 1, wherein the load electrical parts is a plurality of the load electrical parts;

the front electronic equipment system further comprising a second auxiliary equipment module on which a second load electrical parts of the plurality of load electrical parts and a sensor are mounted;

wherein the drive control unit for driving the second load electrical parts is provided at the second auxiliary equipment module;

wherein the drive control unit for driving the second load electrical parts converts a sensor signal outputted from the sensor into the control signal; and

wherein the drive control unit transmits the control signal to the front electrical control unit through the sub bus line.

7. (original): The front electronic equipment system as set forth in claim 3, wherein the first load electrical parts has at least one of a clearance lamp and a cornering lamp.

8. (original): The front electronic equipment system as set forth in claim 5, wherein the first load electrical parts has at least one of a clearance lamp and a cornering lamp.

9. (original): The front electronic equipment system as set forth in claim 4, wherein the second load electrical parts has a front washer motor; and

wherein the sensor mounted on the second auxiliary equipment module has a washer level sensor.

10. (original): The front electronic equipment system as set forth in claim 6, wherein the second load electrical parts has a front washer motor; and

wherein the sensor mounted on the second auxiliary equipment module has a washer level sensor.

11. (original): The front electronic equipment system as set forth in claims 1, wherein the front electrical control unit is connected to the drive control unit through a power source line; and

wherein the control signal is transmitted between the front electrical control unit and the drive control unit by a superposed communication at the power source line served as the sub bus line.